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Safety Precautions

WARNING: DANGEROUS VOLTAGE INSIDE
WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

- The POWER button does not completely shut off the mains power from the unit, but switches operating current on or off only.
- The rating plate is on the rear of the unit.

WARNING

Any unauthorized changes or modifications to this equipment void the user's authority to operate it.



PAL



PAL NTSC

Introduction

Congratulations on purchasing your new VCR.

You can't wait to get it working, but before you do, spare a few moments to read this brief introduction to the world of video recording. It may repay you handsomely in terms of improved results, and avoiding of costly mistakes.

Positioning

Do not place the VCR directly on top of, or underneath, your TV set. Ensure that there is at least 20 cm between the VCR and the TV set, and that air can circulate freely through the ventilation openings of the VCR.

IMPORTANT

Audio-Visual material may consist of copyrighted works which must not be recorded without the authority of the owner of the copyright. Please refer to relevant laws in your country.

G-CODE

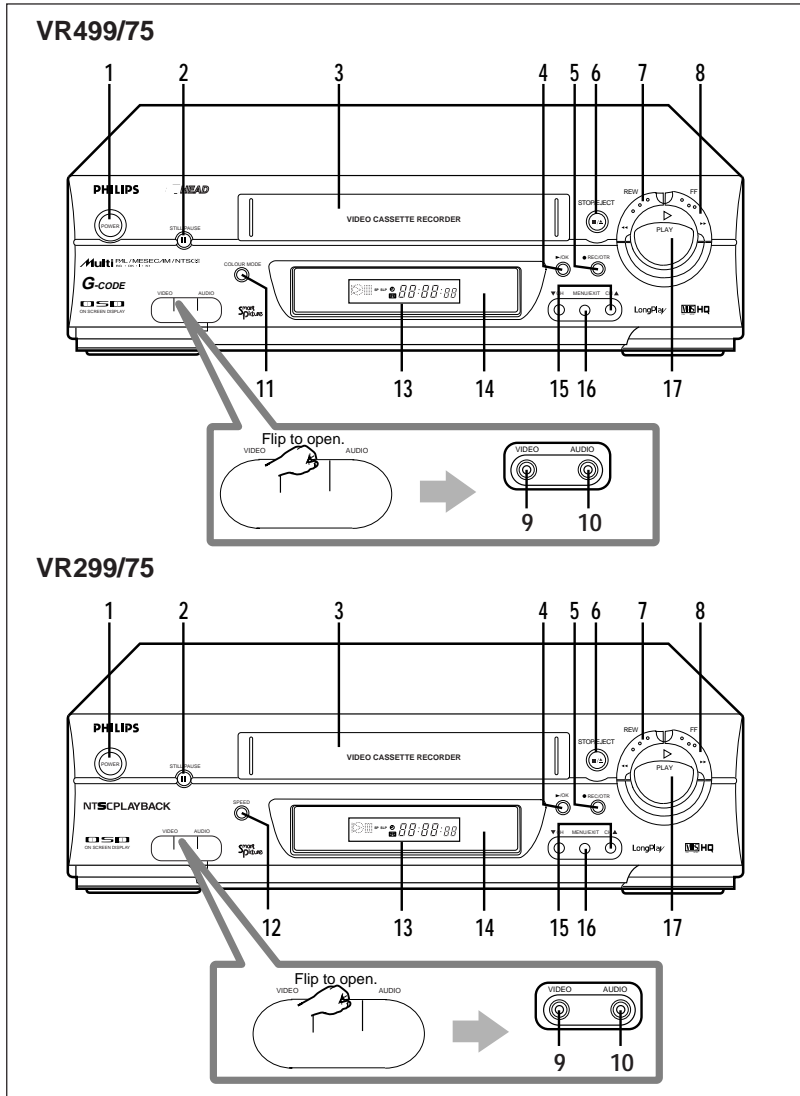
G-CODE is a registered trademark of Gemstar Development Corporation. The G-CODE system is manufactured under license from Gemstar Development Corporation.

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DESCRIPTION OF CONTROLS


Front Panel



1 POWER button

- Turns the VCR on or off.
- Sets the VCR for an unattended recording (timer recording) after timer settings are completed. (≈P.16, P.17)

2 STILL/PAUSE button

Stops the tape during recording (pause) or playback (still picture). (≈P.12, P.14) Press again to resume normal recording. Press **PLAY**  to resume normal playback. Activates slow motion picture when pressed for more than 2 seconds during playback. (≈P.14)

3 Cassette compartment

Where a video cassette is inserted.

4 /OK button

Changes the selection when using the menus. (≈P.9)

5 STOP/EJECT / button

Stops the tape when the tape is running. (≈P.12)

Press again to eject the cassette when the tape is not running. (≈P.12)

6 REC (record)/OTR button

- Starts recording when pressed once. (≈P.12)
- Starts a recording for 30 minutes to 6 hours long when pressed more than once. The shut-off time increases in 30-minute intervals. (≈P.13)

7 REW (rewind) button

- Rewinds the tape when the tape is not running. (≈P.12)
- Starts reverse rapid visual search during playback or still picture mode. (≈P.14)

8 FF (fast forward) button

- Fast forwards the tape when the tape is not running. (≈P.12)
- Starts forward rapid visual search during playback or still picture mode. (≈P.12)

9 VIDEO input jack

For connecting to the video output jack on another VCR or a portable video camera. (≈P.18)

To access these jacks, gently flip down the plastic cover.

10 AUDIO input jack

For connecting to the audio output jack on another VCR or a portable video camera. (≈P.18)

To access these jacks, gently flip down the plastic cover.

11 COLOUR MODE button

(Only for VR499/75)

Selects the colour mode both for playback and recording. (≈P.11)

12 SPEED button

(Only for VR299/75)

Selects the tape speed for recording (SP, LP). During playback, the tape speed is automatically selected (SP, LP).

(≈P.12, P.16, P.18)

13 Display window

See page 6.

14 IR (infrared) remote sensor

Receives the signal from the (IR) remote control.

15 CHANNEL / buttons

- Changes the channels on the VCR. Release at a desired channel.
- Moves the cursor up and down when using the menus. (≈P.9)
- Adjusts the tracking during playback, still picture and slow motion picture. (≈P.14)

16 MENU/EXIT button

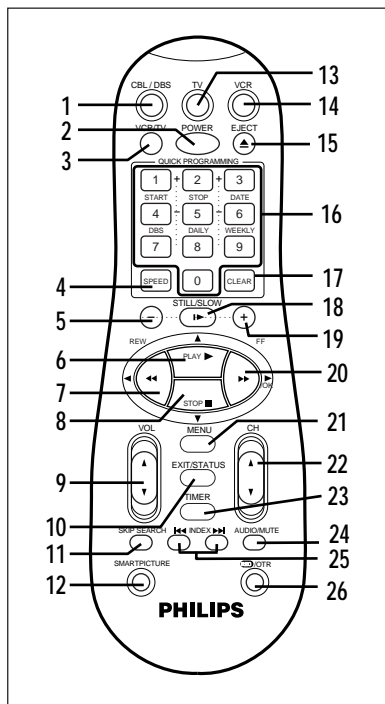
Displays the main menu. Press again to exit from the menu operations. (≈P.9)

17 PLAY button

Starts normal playback. (≈P.12)

DESCRIPTION OF CONTROLS (CONTINUED)

Remote Control



Using this remote control to operate TV

For VR299/75:

Some buttons on this remote control can be used to operate PHILIPS TV.

For VR499/75:

Some buttons on this remote control can be used not only for PHILIPS TV but also other manufacturers' TV.

To operate TV, see page 19.

1 CBL/DBS button

Does not function for this model.

2 POWER button

Before using this button, press VCR or TV to select your target component.

- After pressing VCR:
 - Turns the VCR on or off.
 - Sets the VCR for an unattended recording (timer recording) after timer settings are completed. (≈P.16, P.17)
- After pressing TV, turns the TV on or off.

For VR299/75, this button functions on Philips TV only.

3 VCR/TV button

(For VR499/75 only)

After pressing TV, select the VCR channel or Auxiliary mode at TV.

4 SPEED button

Selects the tape speed for recording SP, LP or SLP (For VR499/75 only).

During playback, the tape speed is automatically selected (SP, LP or SLP). (≈P.12)

SP, LP : For PAL signal
SP, SLP : For NTSC signal

5 STILL/SLOW – button

During a slow motion picture, adjusts the playback speed in the reverse direction. (≈P.14)

Press PLAY ► to resume normal playback.

6 PLAY ► / ▲ button

Before using this button, press VCR or TV to select your target component.

- After pressing VCR:
 - Starts normal playback. (≈P.12)
 - Moves up the cursor when using the menus. (≈P.9)

For some PHILIPS TV (VR499/75

only):

- After pressing TV, operates the TV's menus.

7 ◀◀ (Rewind) / ◀ button

Before using this button, press VCR or TV to select your target component.

- After pressing VCR:
 - Rewinds the tape. Also, during playback, starts rapid reverse visual search. (≈P.12)
 - Goes back to the previous menu screen when using the menus. (≈P.9)

For some PHILIPS TV (VR499/75

only):

- After pressing TV, operates the TV's menus.

8 STOP ■ / ▼ button

- After pressing VCR:
 - Stops the tape. (≈P.12)
 - Moves down the cursor when using the menus. (≈P.9)

For some PHILIPS TV (VR499/75

only):

- After pressing TV, operates the TV's menus.

9 VOL (volume) ▲ / ▼ buttons

Changes the TV volume.

Release at desired volume.

For VR299/75, this button functions on Philips TV only.

10 EXIT/STATUS button

Before using this button, press VCR or TV to select your target component.

- After pressing VCR:
 - Displays the time counter, present time, channel number, and remaining tape length. (≈P.14)
 - Exits from menu operations when using the menus. (≈P.9)
- After pressing TV (VR499/75 only):
 - For some PHILIPS TVs:*
 - Displays the TV's on-screen information.
 - Exits from TV's menu operations when using the TV's menus.
 - For other manufacturers' TVs:*
 - Functions as the ENTER button if your TV requires pressing ENTER after selecting a channel number.

11 SKIP SEARCH button

Skips playback for 30 seconds by time counter reading.

When pressed more than once up to 4 times, the search time increases in 30-second intervals up to 2 minutes. (≈P.13)

12 SMARTPICTURE button

Selects the SmartPicture mode. (≈P.13)

13 TV button

Makes the remote control ready for operating the TV.

14 VCR button

Makes the remote control ready for operating the VCR.

15 EJECT ▲ button

Ejects the cassette. (≈P.12)



16 Number buttons

(0, 1, 2, 3, 4, 5, 6, 7, 8 and 9)

Before using these buttons, press VCR or TV (for VR499/75 only) to select your target component.

- Press to select a channel on the VCR or TV.
To select channels 1 to 9, press 0 then the channel you want. For example, for channel 4, press 0 then 4.
- Also used to programme the Timer Recordings. (≈P.16)

17 CLEAR button

Erases unwanted timer programmes. (≈P.17)

18 STILL/SLOW ► button

Stops the tape during recording (pause) or playback (still picture) temporarily. (≈P.12, P.14)

Press again to resume normal recording. Press PLAY ► to resume normal playback.

Activates slow motion picture when pressed for more than 2 seconds during playback. (≈P.14)

19 STILL/SLOW + button

During a slow motion picture, adjusts the playback speed in the forward direction. (≈P.14)

Press PLAY ► to resume normal playback.

20 ►► (Fast forward) / ►/OK button

Before using this button, press VCR or TV to select your target component.

- After pressing VCR:
 - Fast forwards the tape. Also during playback, starts rapid forward visual search. (≈P.12)
 - Selects the items on the menus or goes to the next menu screen when using the menus. (≈P.9)

For some PHILIPS TV (VR499/75 only):

- After pressing TV, operates the TV's menus.

21 MENU button

Before using this button, press VCR or TV to select your target component.

- After pressing VCR, calls up the main menu. (≈P.9)

For some PHILIPS TV (VR499/75 only):

- After pressing TV, calls up the TV's main menu.

22 CH (channel) ▲ / ▼ button

Before using this button, press VCR or TV.

- After pressing VCR, changes the channels on the VCR. Release at a desired channel.
- After pressing TV, changes the channels on the TV. Release at a desired channel.

For VR299/75, this button functions on Philips TV only.

23 TIMER button

Displays the Timer Recording menu. (≈P.15, P.16)

24 AUDIO/MUTE button

After pressing TV, turns off the TV sound.

For VR299/75, this button functions on Philips TV only.

25 INDEX ◀◀ / ▶▶ buttons

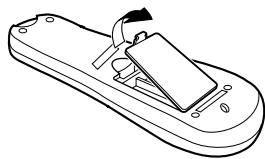
Locates an index marked at the beginning of every recording. (≈P.13)

26 REC (record)/OTR button

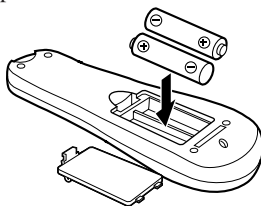
- Starts recording when pressed once. (≈P.12)
- Starts a recording for 30 minutes to 6 hours long. When pressed more than once, the shut-off time increases in 30-minute intervals. (≈P.13)

To insert the batteries:

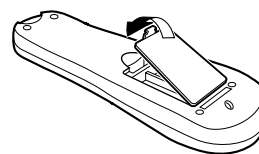
- 1 Remove the battery compartment lid from the bottom of the remote control.



- 2 Install two AA batteries — R6(SUM-3)/AA — matching polarity indicated inside the battery compartment.



- 3 Replace the lid.



CAUTION

On Battery Replacement

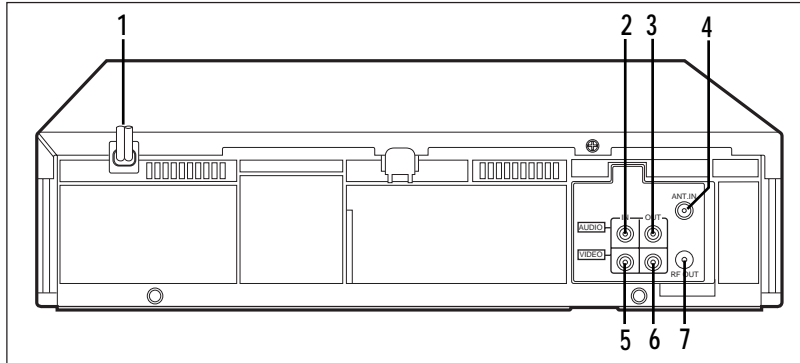
Do not mix old and new batteries. (Also never mix alkaline batteries with manganese batteries.)

Note:

This remote control and batteries are supplied accessories. Check to make sure they are included. Also, check "Specifications" to see what other accessories are included.

DESCRIPTION OF CONTROLS (CONTINUED)

Rear Panel



1 AC (alternating current) power cord

Connect the AC power cord to an AC outlet.

2 AUDIO IN (input) jack

For connecting to the audio output jack on another VCR or a portable video camera. (≈P.18)

3 AUDIO OUT (output) jack

For connecting to the audio input jack on a TV or another VCR. (≈P.7)

4 ANT. (antenna) IN (input) terminal (from Antenna)

Connect your antenna or Cable to this terminal. (≈P.7)

5 VIDEO IN (input) jack

For connecting to the video output jack on another VCR or a portable video camera. (≈P.18)

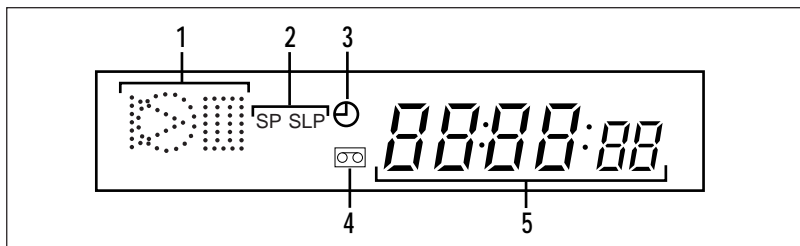
6 VIDEO OUT (output) jack

For connecting to the video input jack on a TV or another VCR. (≈P.7)

7 RF OUT (output) terminal (to TV)

Use the supplied RF coaxial cable to connect this terminal to the UHF/VHF input terminal on the TV. (≈P.7)

Display Window



1 Operation mode indicators

- : Lights up during recording.
- ▷: Lights up during playback.
- ⏸: Lights up during a pause.

2 Speed indicator

Indicates the tape speed.
 SP – Standard Play
 LP – Long Play
 SLP – Super Long Play
 (NTSC signal only)

3 ⏰ (timer) indicator

Lights up when the VCR is set for an unattended recording (timer recording). (≈P.17)

5 📀 (Cassette-in) indicator

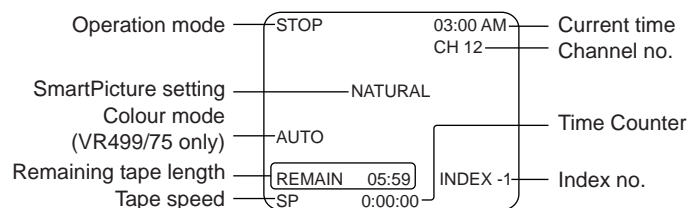
Lights up when there is a cassette in the VCR.

6 Digital clock/counter/Channel indicator

- Normally the present time appears.
- When a tape is inserted, the time counter appears (and is reset to 0:00:00).
If you always rewind your tapes completely, you can use this counter reading as an index to find where a programme starts.
- A channel number selected with the TV tuner built-in the VCR appears. When the external line input is selected; “L-F” appears for the front panel connectors or “L-1” appears for the rear panel connectors.

On-Screen Display

The following information (VCR operating status) appears on the TV screen. (≈P.14)



Note on the displayed information

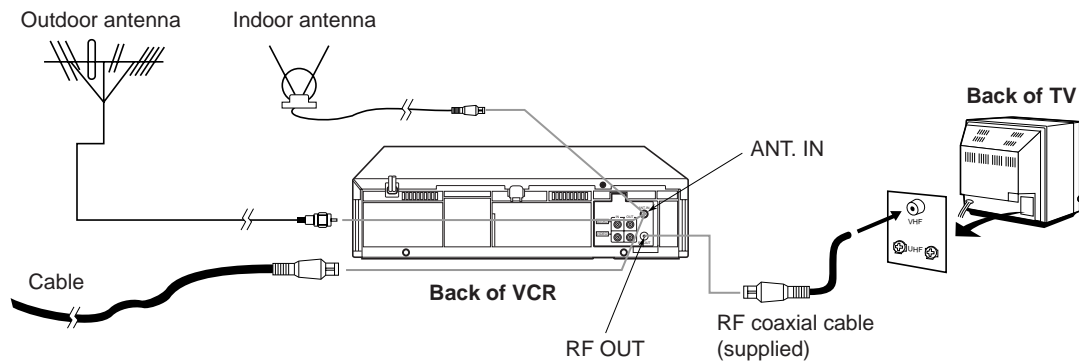
- The time counter and remaining tape length will not be correct when playing back an NTSC tape.
- When you playback a thin tape like an E-160 cassette tape or compact video cassette tape (VHS-C), the remaining tape length will flash.

GETTING CONNECTED UP

VCR to TV Connection

Connection Diagram

- 1 Disconnect the AC power cord of the TV from the AC outlet and the antenna or Cable from the TV.
- 2 Connect the antenna or Cable to the VCR.
- 3 Connect the VCR to the TV using the RF coaxial cable.
- 4 Plug the AC power cords of the VCR and TV into the AC outlets.



CAUTION

Do not plug the AC power cords until all connections are completed.

To watch a picture from this VCR on the TV:

For customers in Australia;

- select UHF 36 channel(583.25MHz) (video channel of this VCR when shipped from the factory). If you want to change video channel, see "Setting the Video Channel" (P.8).

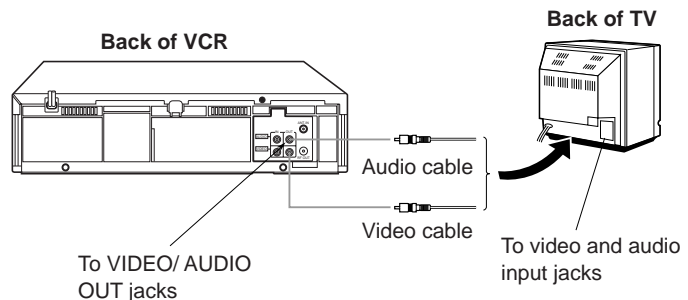
For customers in New Zealand;

- be sure to set video channel (P.8).

VCR to AV TV Connection

With this connection, you can get better pictures and sounds when playing back a tape.

To watch a picture from this VCR on the TV, select the video input on the TV, to which this VCR is connected.



SETTING UP

Setting the Video Channel

This VCR is designed to send picture and sound signal on UHF channel 36(583.25 MHz) to the TV, through the RF coaxial cable.

For customers in Australia;

If you want to change this video channel (36) to another channel (between 28 to 60), follow the procedure below before turning on the VCR for the first time.

For customer in New Zealand;

Be sure to set video channel (between 28 to 60) by following the procedure below before turning on the VCR for the first time.

1 Make sure the VCR is turned off and no cassette is inserted.

2 Turn on the TV, and tune it to any channel (UHF 28 to 60) you want to use as the video channel on the TV.

- Select a channel not used in your area.

3 Press STOP/EJECT ■ /▲ on the front panel for more than 5 seconds.

The following indication appears on the display.



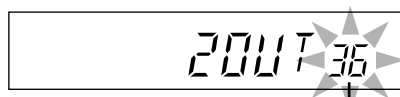
TV system number starts flashing.

4 Press CH ▲ / ▼ on the front panel to select an appropriate TV system number for your area.

1. For B/G. (For West Europe, ASEAN countries, New Zealand)
2. For D/K. (For China, Russia, East Europe)
3. For I. (For Hong Kong, South Africa, United Kingdom)
4. For H. (For Australia)

5 Press ►/OK.

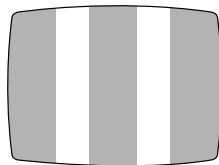
The channel number starts flashing on the display.



Channel number starts flashing.

6 Press CH ▲ / ▼ on the front panel to select the channel you have tuned on the TV as the video channel in step 2.

A test signal (two vertical white bars) appears on the TV.



**Test signal
(two vertical white bars)**

*If you use only external video input (AV) mode to watch the picture from this VCR:
You can turn off the video channel output. To turn off the video output channel, press CH▼ until “- -” appears on the channel number position.*

7 Press ►/OK to finish the video channel setting.

Now you will enter the Clock Setting mode explained on page 9.

To watch a picture from this VCR on the TV, select the same channel you have selected as the video channel (in step 2 above) on the TV.

Note: This VCR is factory pretuned to capital city stations 2, 7, 9, 10, and 28.

SETTING UP (CONTINUED)

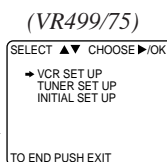
Operations hereafter are described using the buttons on the remote control unless mentioned otherwise. The buttons on the front panel having the same (or nearly same) name or same (or nearly same) mark function exactly the same as those on the remote control.

Menu Operations

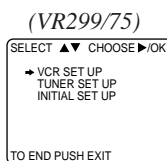
Before operating the VCR, be familiar with the menu operations first because most of the features built into the VCR can be available only on the menus.

- 1 Press VCR on the remote control.

- When using the buttons on front panel, skip this step.



- 2 Press MENU (or MENU/EXIT on the front panel) to display the main menu screen.



- 3 Press PLAY ▲ or STOP ▼ (or CH▲/▼ on the front panel) to select a desired feature on the menu, then press ►/OK.
- 4 When you select a feature, go to the section in this manual and follow the instructions described there.

To go back to the previous menu screen, press REW ◀.

To exit from the menu operations, press EXIT/STATUS (or MENU/EXIT on the front panel again).

Note:

Menu operating buttons function only when a menu is on the TV screen. When no menus is on the TV screen, they function differently.

IMPORTANT

The setup and adjustment procedures explained hereafter are written under the following conditions:

- You have turned on the TV and selected the video channel (or external video input).
- You have turned on the VCR.

Initial Setup

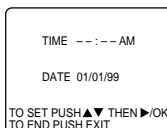
For the first time you turn on the VCR or finish video channel setting, the VCR automatically enters the Clock Setting mode unless you have set it.

Make sure....

- Your VCR, TV, and antenna are connected correctly.
- The remote control operation mode is set correctly for operating your target component.
 - Press VCR to operate the VCR.
 - Press TV to operate the TV.

1 Set Clock

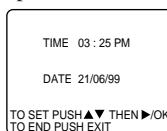
- 1 Press POWER, if necessary.
- 2 Press PLAY ▲ or STOP ▼ to set the time, then press ►/OK.



- Each time you press PLAY ▲ or STOP ▼, the set time changes by 1-minute intervals. If you press and hold the button, the set time changes by 30-minute intervals.

- 3 Press PLAY ▲ or STOP ▼ to set the month and day, then press ►/OK.

- Each time you press PLAY ▲ or STOP ▼, the set date changes by 1-day intervals.



If you press and hold the button, the set date changes by 15-day intervals.

- 4 Press PLAY ▲ or STOP ▼ to set the year, then press ►/OK.
 - Each time you press PLAY ▲ or STOP ▼, the set year changes by 1-year intervals. If you press and hold the button, the set year changes rapidly.
- 5 Press EXIT/STATUS to exit from the menu operations.

To reset the clock manually

You can also reset or correct the clock manually.

- 1 Press VCR.
- 2 Press MENU.
- 3 (ONLY FOR VR499/75) Press PLAY ▲ or STOP ▼ to select "INITIAL SET UP" then press ►/OK. The Initial Set Up menu appears.
- 4 Press PLAY ▲ or STOP ▼ to select "SET CLOCK" then press ►/OK.
- 5 Press PLAY ▲ or STOP ▼ to set the time, then press ►/OK.
 - Each time you press PLAY ▲ or STOP ▼, the set time changes by 1-minute intervals. If you press and hold the button, the set time changes by 30-minute intervals.
- 6 Press PLAY ▲ or STOP ▼ to set the month and day, then press ►/OK.
 - Each time you press PLAY ▲ or STOP ▼, the set date changes by 1-day intervals. If you press and hold the button, the set date changes by 15-day intervals.
- 7 Press PLAY ▲ or STOP ▼ to set the year, then press ►/OK.
 - Each time you press PLAY ▲ or STOP ▼, the set year changes by 1-year intervals. If you press and hold the button, the set year changes rapidly.
- 5 Press EXIT/STATUS to exit from the menu operations.

Note:

If a power failure occurs, clock will lose its setting.

SETTING UP (CONTINUED)

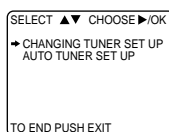
Automatic Channel Setting

Before using the VCR, you need to set the tuner channels. Follow the procedures described below.

For Australia customers only:
Do not perform this task unless you are outside of capital city reception area.

1 Select Tuner Set Up Mode

- 1 Press MENU.
- 2 Press PLAY ▲ or STOP ▼ to select "TUNER SET UP" then press OK/▶.

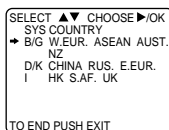


2 Start Auto Programming

- 1 Press PLAY ▲ or STOP ▼ to select "AUTO TUNER SET UP" then press OK/▶.

The TV system selecting menu appears on the TV.

- 2 Press PLAY ▲ or STOP ▼ to select the appropriate TV system of your residential area.



B/G : For West Europe, ASEAN countries, Australia, New Zealand.

D/K : For China, Russia, East Europe.

I : For Hong Kong, South Africa, United Kingdom.

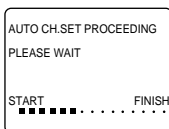
- 3 Press OK/▶.

Auto programming starts.

The local channels receivable in your area are automatically programmed in the VCR's tuner.

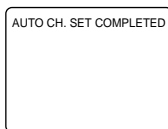
While the auto programming is carried out

The following message appears on the TV screen.



When the auto programming is completed

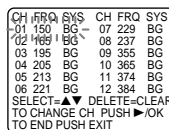
The following message appears on the TV screen, and the lowest channel will be tuned in.



If you want to delete unwanted channels

You can delete channels manually. After you have deleted the channels, they will be not selected by pressing CH ▲/▼.

- 1 Press VCR.
- 2 Press MENU.
- 3 Press PLAY ▲ or STOP ▼ to select "TUNER SET UP" then press OK/▶.
- 4 Press PLAY ▲ or STOP ▼ to select "CHANGING TUNER SET UP" then press OK/▶.



- 5 Press PLAY ▲ or STOP ▼ until an unwanted channel setting flashes.
- 6 Press CLEAR to delete the unwanted channel.
 - If you have accidentally deleted a channel, press ◀.
- 7 Repeat steps 5 and 6 until you delete all unwanted channels.
- 8 Press EXIT/STATUS to exit from the menu operations.

If you want to exchange the channel positions

You can also replace the channel position numbers.

EX. Replace channel 9 and channel 3

- 1 Press VCR.
- 2 Press MENU.
- 3 Press PLAY ▲ or STOP ▼ to select "TUNER SET UP" then press OK/▶.
- 4 Press PLAY ▲ or STOP ▼ to select "CHANGING TUNER SET UP" then press OK/▶.
- 5 Press PLAY ▲ or STOP ▼ until information for channel 3 flashes.
- 6 Press OK/▶ **once**.
Only channel indication for channel 3 starts flashing.
- 7 Press 0 then 9.
The channel settings for channel 3 and 9 are exchanged.
 - If you have accidentally deleted a channel, press ◀.

- 8 Press OK/▶ to store the setting.
- 9 Press EXIT/STATUS to exit from the menu operations.

If the picture is not clear

You need to fine-tune this particular channel.

EX. Fine-tune channel 3

- 1 Press VCR.
- 2 Press MENU.
- 3 Press PLAY ▲ or STOP ▼ to select "TUNER SET UP" then press OK/▶.
- 4 Press PLAY ▲ or STOP ▼ to select "CHANGING TUNER SET UP" then press OK/▶.
- 5 Press PLAY ▲ or STOP ▼ until information for channel 3 flashes.
- 6 Press OK/▶ **twice**.
Only frequency indication for channel 3 starts flashing.
- 7 Press PLAY ▲ or STOP ▼ to fine-tune the station until you get the best possible picture.
- 8 Press OK/▶ to store the setting.
- 9 Press EXIT/STATUS to exit from the menu operations.

If no sound comes out

You need to change the TV system for this particular channel.

EX. Change the TV system for channel 3

- 1 Press VCR.
- 2 Press MENU.
- 3 Press PLAY ▲ or STOP ▼ to select "TUNER SET UP" then press OK/▶.
- 4 Press PLAY ▲ or STOP ▼ to select "CHANGING TUNER SET UP" then press OK/▶.
- 5 Press PLAY ▲ or STOP ▼ until information for channel 3 flashes.
- 6 Press OK/▶ **three times**.
Only TV system indication for channel 3 starts flashing.
- 7 Press PLAY ▲ or STOP ▼ to select the appropriate TV system [(**BG**, **DK**, **I**)] so that sound comes out.
- 8 Press OK/▶ to store the setting.
- 9 Press EXIT/STATUS to exit from the menu operations.

Note: This VCR is factory pretuned to capital city stations 2, 7, 9, 10, and 28. (Australia only)



Manual Channel Setting

When you want to do channel setting manually, follow this procedure.

1 Select Tuner Set Up Mode

- 1 Press VCR.
- 2 Press MENU.
- 3 Press PLAY ▲ or STOP ▼ to select "TUNER SET UP" then press ►/OK. The Tuner Set Up menu appears.
- 4 Press PLAY ▲ or STOP ▼ to select "CHANGING TUNER SET UP" then press ►/OK. The programmed channel information list appears with the settings of the tuned channel flashing. (You can also watch the picture of the tuned channel since the list and the picture alternates on the TV.)

2 Select Station

- 1 Press PLAY ▲ or STOP ▼ until an open channel in which you want to store a new channel starts flashing then press ►/OK.

SELECT ▲▼ CHOOSE ►OK
 → VHF L
 VHF H
 UHF
 TO END PUSH EXIT
- 2 Press PLAY ▲ or STOP ▼ to select the search starting band.
 - VHF L:** Starts searching from the VHF L band.
 - VHF H:** Starts searching from the VHF H band.
 - UHF:** Starts searching from the UHF band.
- 3 Press ►/OK. Searching starts, and when a station is tuned in, searching stops and the tuned frequency is shown on the TV. Then the following menu appears.

3 Store Channel

- Press PLAY ▲ or STOP ▼ to select "STORE CHANNEL" then press ►/OK.
- SELECT ▲▼ CHOOSE ►OK
 → STORE CHANNEL
 CONTINUE SEARCH
 TO END PUSH EXIT
- The programmed channel information list appears again with the settings of the newly tuned channel flashing.
- If you do not want to store this station, select "CONTINUE SEARCH" then press ►/OK, searching starts again.

4 Finish Setting

Press EXIT/STATUS.

Selecting Colour Mode

This section is for VR499/75 only.

Before using the VCR, you need to set the colour mode both for recording and playback.

Press COLOUR MODE on the front panel to change the colour system.

For recording:

- AUTO:** Normally select this mode. The colour system is automatically detected.
- NTSC3.58:** Select this mode if "AUTO" does not work well when recording the NTSC signals. (For playback on an NTSC TV)
- NTSC4.43:** Select this mode if "AUTO" does not work well when recording the NTSC signals on PAL TV. (For playback on a PAL TV)
- PAL:** Select this mode if "AUTO" does not work well when recording the PAL signals.

For playback:

- AUTO:** Normally select this mode. When you watch a PAL, NTSC, the colour system is automatically detected.
- NTSC3.58:** Select this mode when you watch an NTSC3.58 tape on an NTSC TV.
- NTSC → PAL:** Select this mode if "AUTO" does not work well when playing back an NTSC tape on a PAL TV.
- NTSC4.43:** Select this mode when you watch an NTSC4.43 tape on a PAL TV.
- PAL:** Select this mode if "AUTO" does not work well when playing back a PAL tape.

When playing back an NTSC tape with "AUTO" mode selected
The tape is played back using "NTSC3.58" mode.

BASIC OPERATIONS

Playback

1 On TV

- 1 Turn on the TV.
- 2 Select the video channel (or external video input).

2 On VCR

- Insert a cassette.
The VCR turns on.
- If the record tab on a cassette is removed, playback will start automatically.
 - If a cassette is already in the VCR, turn on the VCR.

3 Start Playback

Press PLAY ►.

To rapidly locate a particular scene

Press FF ►► or REW ◀◀ during playback. (No sound)

To resume playback, press PLAY ► again.

- If FF ►► or REW ◀◀ is held down for more than 2 seconds, simply releasing it will cancel the search.

To stop playback

Press STOP ■.

To rewind the tape

Press REW ◀◀ when the tape is not playing.

To fast forward the tape

Press FF ►► when the tape is not playing.

To eject the tape

Press EJECT ▲.

To turn off the VCR

Press POWER.

When playing back an NTSC tape on a PAL TV

- Some TVs shrink the picture vertically and place black bars at the top and the bottom of the TV screen.
- The time counter and remaining tape length will not be correct.

Recording

When using this VCR, an index mark is always marked at the beginning of every recording. This index mark makes it easier for you to search for the beginning of the recordings (see "Index Search" (P.13).)

Make sure....

- The record tab on the cassette is not removed.

1 On TV

- 1 Turn on the TV.
- 2 Select the video channel (or external video input).

2 On VCR

Insert a cassette with the record tab intact.

The VCR turns on.

- If a cassette is already in the VCR, turn on the VCR.

To rewind the tape, press REW ◀◀.

3 Select Tape Speed

Press SPEED until the desired tape speed (SP, LP, or SLP) appears on the display.

SP, LP : For PAL signal.
SP, SLP : For NTSC signal.
(For VR499/75 only)

4 Select a Channel

Press CH ▲ / ▼ or Number buttons to select the channel to record.

5 Start Recording

Press REC/OTR ●.

To pause recording

Press STILL/SLOW ► briefly (or STILL/PAUSE ■ on the front panel).

To resume recording, press the same button again.

To stop recording

Press STOP ■.

To watch another TV programme while recording

Select a different channel you want to watch on the TV.

You can watch the programme of the selected channel on the TV, without affecting recording on the VCR.

Erase protection

Cassettes have the record tab to ensure that recordings are not accidentally erased.

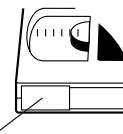
To prevent accidental erasure:

Break off the record tab with a screwdriver.



To record again:

Cover the opening with adhesive tape.



Adhesive tape

Automatic Operations

Auto playback

When a tape is inserted, the VCR turns on. If the record tab is removed, playback begins.

Auto rewind

When a tape reaches its end during playback, fast forwarding or manual recording, the VCR rewinds the tape and stops.

Memory rewind power off

When you press POWER during rewinding, the VCR turns off after rewinding is completed.

Eject cassette

You can eject the tape simply by pressing EJECT ▲ even while the VCR is turned off.

When you press EJECT ▲, the VCR automatically turns on, ejects the tape, then turns off.

ADVANCED OPERATIONS

One Touch Recording (OTR)

The OTR function lets you quickly specify how long you want a recording to continue. You do not have to programme the timer.

1 On TV

- 1 Turn on the TV.
- 2 Select the video channel (or external video input).

2 On VCR

Insert a cassette with the record tab in place.

The VCR turns on.

- If a cassette is already in the VCR, turn on the VCR.

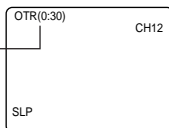
3 Select Channel

Press CH ▲ / ▼ or Number buttons to select the channel to record.

4 Start OTR

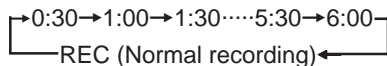
Press REC/OTR ● twice. Recording starts immediately, and the ○ (Record) indicator lights up and blinks on the display.

This indicates that the VCR will automatically shut off after 30 minutes of recording.



5 Select Recording Length

Press REC/OTR ● repeatedly until the desired recording length appears. Each time you press the button, recording length increases in 30-minute intervals.



To check time remaining during an OTR

Press EXIT/STATUS.

To change the recording length during an OTR

Press REC/OTR until the desired length appears.

To cancel an OTR

Press STOP ■ to stop recording before the preset recording length is reached. If you want to cancel the OTR mode but continue recording, press REC/OTR several times until "OTR" changes to "REC" on the TV screen.

Notes on the indications on the display while an OTR operation

- During recording, the displayed time counts down. When "0:00" is reached, recording stops and the VCR turns off automatically.
- If an OTR is engaged during pause, the displayed time counts down normally but recording does not begin until you cancel the pause.

Index Search

You can locate an index marked at the beginning of each recording on a tape recorded on this VCR (or an indexed tape).

Press INDEX ►► or INDEX ◀◀ repeatedly until the appropriate number is displayed on the TV screen before starting play.

Rapid forward or reverse search begins. When it finds the designated index, playback starts automatically.

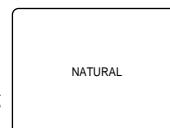
- Locate an index number by pressing the button repeatedly, indicating how many index marks ahead of or behind that recording you want is from the tape's current position.
- Up to ±9th index mark from the current position on the tape can be located.

SmartPicture

You can make the picture softer or sharper or distinct the picture when playing back the tape. SmartPicture is set to NATURAL when you receive the VCR.

1 Select SmartPicture Mode

- 1 Press VCR.
- 2 Press SMART-PICTURE button. The current setting will appear on the screen for about 5 seconds.
- 3 While the current setting appears, press the SMARTPICTURE button repeatedly, the setting changes as follows.



NATURAL:

Normally select this mode.

DISTINCT:

Select this mode when you want the distinct picture. The picture detail is emphasized.

SOFT:

Select this mode when you want the soft picture. The signal noise of the picture is softened.

SHARP:

Select this mode when you want the sharp picture. The picture details are emphasized more.

Notes:

It is recommended that the SmartPicture is set to "SOFT" if playback picture is noisy.

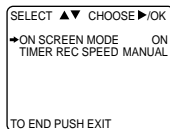
ADVANCED OPERATIONS (CONTINUED)

Using On-Screen Display

You can display the VCR operating status on the TV screen.
For the information about what you can see on the TV screen, see page 6.

1 Select VCR Set Up Mode

- 1 Press VCR.
- 2 Press MENU.
- 3 Press PLAY ▲ or STOP ▼ to select "VCR SET UP" then press ►/OK.
The VCR Set Up menu appears.



2 Select On-Screen Mode

- 1 Press PLAY ▲ or STOP ▼ to select "ON SCREEN MODE."
- 2 Press ►/OK.
Each time you press the button, the setting changes.

ON:

When you press a tape running button (Stop, Play, etc.), the VCR status appears for 5 seconds.

COUNTER:

When you press a tape running button, the VCR operating status appears for 5 seconds.
After 5 seconds, the VCR status disappears except the time counter.

OFF:

The VCR operating status does not appear even if you press a tape running button.

3 Finish Setting

Press EXIT/STATUS.

To display the VCR status on the TV screen manually, press EXIT/STATUS. The VCR status appears for about 5 seconds.

- If "ON SCREEN MODE" is set to "OFF," no VCR status appears though you press EXIT/STATUS.

Special Effect Playbacks

Are you familiar with tape playback? If so, you are ready to enjoy the special effect playback features described below.

To skip playback for a certain period

Press SKIP SEARCH during playback to search forward for 30 seconds by the time counter reading.

Each time you press the button, the search time increases as follows:

30→60→90→120 sec.

The VCR automatically resumes normal playback after searching for the specified period.

To view a still picture

Press STILL/SLOW ► briefly (or STILL/PAUSE II on the front panel) during playback.
Playback is frozen and a still picture appears.

Press the STILL/SLOW ► button repeatedly to advance the still picture frame by frame.

To view a slow motion picture

Press STILL/SLOW ► (or STILL/PAUSE II on the front panel) for more than 2 seconds during playback.

To decrease the slow motion speed (and reverse the slow motion playback), press STILL/SLOW –.

To increase the slow motion speed (and forward the slow motion playback), press STILL/SLOW +.

To resume playback, press PLAY ►.

Notes:

- No sound is present during special effect playbacks.
- If you keep viewing slow motion and still pictures for more than 5 minutes, the VCR automatically stops to protect the tape and video heads.
- During special effect playbacks, some noise bars will appear on the TV screen.

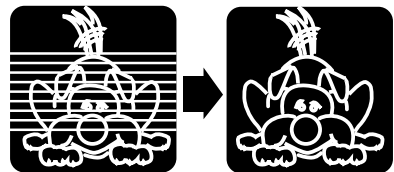
Tracking Adjustments

Auto tracking

Each time a tape is inserted, auto tracking starts working and continuously analyses the signal to adjust for optimum picture quality during playback. So, there is no need for you to adjust noise in most tapes during playback.

Manual tracking

- **During normal playback:**
If auto tracking cannot eliminate noise well during playback, press CH ▲ or ▼.
- **During a slow motion picture:**
Press CH ▲ or ▼ to minimize noise in the slow motion picture.
- **During a still picture:**
Press CH ▲ or ▼ to reduce jitter in the still picture.



To cancel manual tracking, stop the tape, eject the tape, then re-insert it.

Child Lock

You can prevent the VCR operations.

To use Child Lock

When the VCR is turned on, press and hold POWER on the remote control for more than 7 seconds to turn off the VCR.

The "—" appears on the display.

While "—" is on the display, you cannot turn on the VCR by pressing POWER on the VCR.

To cancel Child Lock

Press and hold POWER on the remote control for more than 7 seconds to turn on the VCR.

The "—" disappears on the display.



G-Code Set Up

This section is for VR499/75 only.

You can simplify the programming method of timer recording by using G-Code. Whenever you want to record a TV program, all you need to do is to find out the programme's G-Code number.

You can easily find out this number by checking the TV programme list of your local newspaper or TV guide magazine.

Simply entering the programme's G-Code using the remote control will make the VCR record the programme.

Before using G-Code for the first time, you need to set the guide channel number for each local channel number. The **local channel (user channel*) number** is the number you select on the VCR to record a programme, while the **guide channel number** is the one assigned to that local channel and you can also find it in the TV programme list of your local newspaper or TV guide magazine.

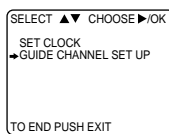
Make sure...

- You can use the tables below to note your user channel numbers and their guide channel numbers.

1 Select VCR Set Up Mode

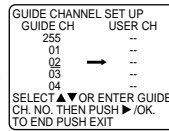
1 Press MENU.

2 Press PLAY ▲ or STOP ▼ to select "INITIAL SET UP" then press ►/OK.



2 Set Guide Channels

1 Press PLAY ▲ or STOP ▼ to select "GUIDE CHANNEL SET UP" then press ►/OK.



2 While the GUIDE CH number is flashing, press PLAY ▲ or STOP ▼ button repeatedly or press number buttons to select guide channel number (GUIDE CH), then press ►/OK.

- For example, for guide channel number 9, press 0, 9. Always enter "0" before any single number entries.

3 While the space for the USER CH is flashing, press PLAY ▲ or STOP ▼ button repeatedly or press number buttons to enter local channel number (USER CH), then press ►/OK.

- For example, for local channel number 9, press 0, then 9. Always enter "0" for single digits.

4 Repeat the above procedures until you set the guide channel for all the receivable local channels.

3 Finish Setting

Press EXIT/STATUS.

To correct a user channel number and/or a guide channel number, repeat the same procedures explained above. This time, enter the correct user channel number and/or the correct guide channel number.

Timer Recording Using G-Code

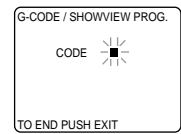
This section is for VR499/75 only.

By entering the G-Code number for a particular TV programme, you can easily programme a timer recording.

1 Select G-Code Mode

Press TIMER.

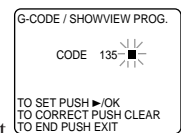
Press PLAY ▲ or STOP ▼ to select "G-CODE/SHOWVIEW" then press ►/OK.



The G-Code entry menu appears on the TV screen.

2 Enter G-Code

Press Number buttons to enter the G-Code number assigned to the TV programme you want to record, then press ►/OK.



- If "ERROR-RE-ENTER CODE" appears on the TV, you have entered an incorrect G-Code number. If this happens, press CLEAR to erase the number, then enter the correct number.
- If you have not yet set the user channel, the "GUIDE CHANNEL SET UP" screen will appear. Press PLAY ▲ or STOP ▼ button repeatedly or number buttons to enter the USER CH number which the broadcast for the G-Code number is received on the VCR, then press ►/OK.

| Local TV Station's Name | User Channel No. | G-Code Guide Channel No. |
|-------------------------|------------------|--------------------------|
| Example: Nine | 09 | 09 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| Local TV Station's Name | User Channel No. | G-Code Guide Channel No. |
|-------------------------|------------------|--------------------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ADVANCED OPERATIONS (CONTINUED)

3 Select Tape Speed

Press **SPEED**.

- Each time you press the button, the tape speed alternates between "SP", "LP", and "SLP".
 SP, LP : For PAL signal.
 SP, SLP : For NTSC signal.
 (For VR499/75 only)

4 Confirm Programme

Press **EXIT/STATUS**.

"PROGRAM WAS COMPLETED"

- appears on the TV screen. After 5 seconds, the above message disappears, and the normal TV picture resumes. The \odot (timer) indicator lights up on the display.
- If "PROGRAM NOT COMPLETED" appears, try again from step 1.
 - If "PROGRAM NOT COMPLETED/CLASH" appears, the timer recording you just programmed overlaps another timer recording. The timer recording you just programmed will not take place. The timer recording menu will reappear. To cancel a \odot (Timer) recording (see page 17).

```
ONE TIME PROGRAM
PROGRAM 1
CHANNEL +/- 12
START +/- 08:00 PM
STOP +/- 10:00 PM
REC SPEED LP
DATE +/- 14/07/99
WEDNESDAY
SET DAILY=8 OR WEEKLY=9
TO END PUSH EXIT
```

If you want to store other programmes, repeat steps 1 to 4.

5 Finish Settings

Press **POWER** to turn off the VCR. The VCR must be turned off for a timer recording to take place. If you forget to turn off the VCR, "PLEASE TURN OFF VCR FOR TIMER RECORDING" flashes on your TV screen two minutes before a timer recording starts. To remove the message, press the **CLEAR** button.

If you want to record the same programme daily, press **DAILY** (Number button 8) at step 3. (Press the button again to cancel). The VCR will record a TV programme every day (Monday through Friday) at the same time and length (Daily Recording).

If you want to record the same programme weekly, press **WEEKLY** (Number button 9) at step 3. (Press the button again to cancel). The VCR will record a TV programme once a week at the same day, time and length (Weekly Recording).

After a timer recording has taken place

Press **POWER** to turn on the VCR. You can operate your VCR normally.

To stop a started timer recording

Press **POWER**.

Recording stops and the VCR turns off. If it is a Daily or Weekly Recording, future recordings will be carried out as programmed.

To check or erase the programmes

See page 17.

Timer Recording

To record while you're away, follow step 1 — 9 below. For each programme you set, the VCR will turn on, start recording, and turn off automatically. You can store up to 8 programmes.

Make sure....

- The clock is set to the correct time before setting timer recording.
- A cassette is inserted in the VCR and the record tab of the cassette must not be removed.
- The remote control operation mode is set correctly for operating your target component.
 - Press **VCR** to operate the VCR.
 - Press **TV** to operate the TV.

FOR EACH STEP BELOW, YOU NEED TO FINISH WITHIN 60 SECONDS; OTHERWISE, PROGRAMMING WILL HAVE TO BE RESTARTED FROM STEP 1.

1 Select Timer Mode

- Press **VCR**.
- Press **TIMER**. The Timer Recording menu appears.

2 Select Programme mode

- Press **PLAY** \blacktriangle or **STOP** \blacktriangledown to select "QUICK PROGRAMMING" then press **▶/OK**. The Quick Programming menu appears.
 - If you have already set 8 programmes, "ALL PROGRAMS IN USE" appears and goes back to the Timer Recording menu. If this happens, delete unwanted programmes. (\neq P.17)

```
ONE TIME PROGRAM
PROGRAM 1
CHANNEL +/- ---
START +/- ---:-- AM
STOP +/- ---:-- AM
REC SPEED SP
DATE +/- --/--
SET DAILY=8 OR WEEKLY=9
TO END PUSH EXIT
```

3 Select Channel

Press **CH** \blacktriangle or \blacktriangledown to enter the TV channel.

- Holding down **CH** \blacktriangle or \blacktriangledown rapidly scans through the channels.
- To record from external line input, press **CH** \blacktriangle or \blacktriangledown until "A/V REAR" or "A/V FRONT" appears on the TV screen on the TV screen.

```
ONE TIME PROGRAM
PROGRAM 1
CHANNEL +/- 12
START +/- ---:-- AM
STOP +/- ---:-- AM
REC SPEED SP
DATE +/- --/--
SET DAILY=8 OR WEEKLY=9
TO END PUSH EXIT
```

4 Select Start Time

Press **START** + or - (Number button 1 or 4).

- Each time you press the button, the set time changes by 1-minute intervals. If you hold the button, the set time changes by 30-minute intervals.

```
ONE TIME PROGRAM
PROGRAM 1
CHANNEL +/- 12
START +/- 08:00 PM
STOP +/- ---:-- AM
REC SPEED SP
DATE +/- --/--
SET DAILY=8 OR WEEKLY=9
TO END PUSH EXIT
```

5 Select Stop Time

Press **STOP** + or - (Number button 2 or 5).

- Each time you press the button, the set time changes by 1-minute intervals. If you hold the button, the set time changes by 30-minute intervals.

```
ONE TIME PROGRAM
PROGRAM 1
CHANNEL +/- 12
START +/- 08:00 PM
STOP +/- 10:00 PM
REC SPEED SP
DATE +/- --/--
SET DAILY=8 OR WEEKLY=9
TO END PUSH EXIT
```

6 Select Tape Speed

Press **SPEED**.

- Each time you press the button, the tape speed alternates between "SP", "LP" and "SLP".
 SP, LP : For PAL signal
 SP, SLP : For NTSC signal
 (For VR499/75 only)

```
ONE TIME PROGRAM
PROGRAM 1
CHANNEL +/- 12
START +/- 08:00 PM
STOP +/- 10:00 PM
REC SPEED LP
DATE +/- --/--
SET DAILY=8 OR WEEKLY=9
TO END PUSH EXIT
```

7 Select Start Date

Press **DATE** + or - (Number button 3 or 6).

- The year and day of the week are displayed automatically.

```
ONE TIME PROGRAM
PROGRAM 1
CHANNEL +/- 12
START +/- 08:00 PM
STOP +/- 10:00 PM
REC SPEED LP
DATE +/- 14/07/99
WEDNESDAY
SET DAILY=8 OR WEEKLY=9
TO END PUSH EXIT
```



8 Confirm Programme

Press EXIT/STATUS.

“PROGRAM WAS COMPLETED” appears on the TV screen.

After 5 seconds, the above message disappears, and the normal TV picture resumes. The (Timer) indicator lights up on the display.

- If “PROGRAM NOT COMPLETED” appears, try again from step 1.
- If “PROGRAM NOT COMPLETED CLASH” appears, the timer recording you just programmed overlaps another timer recording. The timer recording you just programmed will not take place. The timer recording menu will reappear. To cancel a timer recording. (see right)

If you want to store other programmes, repeat steps 1 to 8.

9 Finish Settings

Press POWER to turn off the VCR. The VCR must be turned off for a timer recording to take place. If you forget to turn off the VCR, “PLEASE TURN OFF VCR FOR TIMER RECORDING” flashes on your TV screen two minutes before a timer recording starts. To remove the message, press the CLEAR button.

If you want to record the same programme daily, press DAILY (Number button 8) during step 3 through 7. (Press the button again to cancel).

The VCR will record a TV programme every day (Monday through Friday) at the same time and length (Daily Recording).

If you want to record the same programme weekly, press WEEKLY (Number button 9) during step 3 through 7. (Press the button again to cancel).

The VCR will record a TV programme once a week at the same day, time and length (Weekly Recording).

After a timer recording has taken place

Press POWER to turn on the VCR. You can operate your VCR normally.

To stop a started timer recording

Press POWER.

Recording stops and the VCR turns off. If it is a Daily or Weekly Recording, future recordings will be carried out as programmed.

Useful function for Timer Recording: Auto Tape Speed

With this function activated, the VCR can change the tape speed and record the programme in LP or SLP mode unless enough tape remains for recording in SP mode.

- 1 Press VCR.
- 2 Press MENU.
- 3 Press PLAY or STOP to select “VCR SET UP” then press /OK.
- 4 Press PLAY or STOP to select “TIMER REC SPEED.”
- 5 Press /OK.

Each time you press the button, the setting changes.

AUTO:

Select this to allow the VCR to change the tape speed from SP to LP or SLP when there is not enough tape length remaining.

MANUAL:

Select this to not allow the VCR to change the tape speed.

- 6 Press EXIT/STATUS to exit from the menu operations.

To check, edit or erase the programmes

- 1 Turn on the VCR and TV.

- 2 Press VCR.
- 3 Press TIMER.

- 4 Press PLAY or STOP to select “PROGRAM REVIEW” then press /OK.

The list of the timer recording programmes appears.

- 5 Press /OK repeatedly to view the more detailed programme information.

- When you press the button for the first time, the detailed programme information for Programme 1 appears. By pressing this button repeatedly, you can review the detailed information of all other programmes.

| PR | CH | START | STOP | DATE |
|----|----|--------|-------|--------|
| 1 | 06 | 08:00P | 10:00 | W15/06 |
| 2 | 01 | 10:00A | 10:45 | MON |
| 3 | 05 | 03:00P | 03:15 | D15/10 |
| 4 | 04 | 11:30P | 12:00 | DAILY |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |

NEXT END=EXIT

| ONE TIME PROGRAM |
|-------------------------|
| PROGRAM |
| CHANNEL +/- 12 |
| START +/- 08:00 PM |
| STOP +/- 10:00 PM |
| REC SPEED LP |
| DATE +/- 14/07/99 |
| WEDNESDAY |
| TO ERASE PROGRAM= CLEAR |
| NEXT PREV END=EXIT |

- 6 If you want to change the programme setting shown on the TV screen, press the following buttons:

- CH / : Changes the channels.
- START +/- : Changes the start time.
- STOP +/- : Changes the stop time.
- SPEED : Changes the tape speed.
- DATE +/- : Changes the date.

If you want to erase the programme setting shown on the TV screen, press CLEAR. The detailed information of the next programme appears.

- 7 Press EXIT/STATUS to exit from the menu operations.

Note:

This function does not work for OTR (One Touch Recording).

How to see the programme list

| ① | ② | ③ | ④ | ⑤ |
|----|----|--------|-------|--------|
| PR | CH | START | STOP | DATE |
| 1 | 06 | 08:00P | 10:00 | W15/06 |
| 2 | 01 | 10:00A | 10:45 | MON |
| 3 | 05 | 03:00P | 03:15 | D15/10 |
| 4 | 04 | 11:30P | 12:00 | DAILY |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |

NEXT END=EXIT

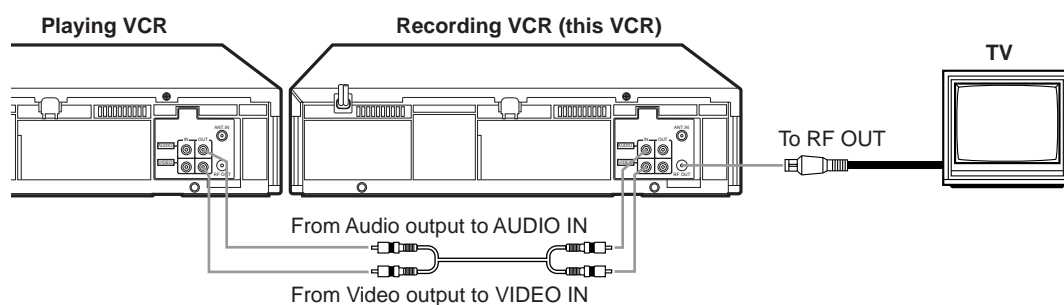
- ① Programme numbers
 - ② Preset channel numbers
 - ③ Start time
“A” stands for “AM” and “P” stands for “PM”
 - ④ Stop time
 - ⑤ Start date
“D” stands for “DAILY,” and “W” stands for “WEEKLY.”
- If the programme has worked once for the Daily recording, “DAILY” will be shown instead of the start date.
 - If the programme has worked once for the Weekly recording, the day of the week (in this example, “MON”) will be shown instead of the start date.

ADVANCED OPERATIONS (CONTINUED)

Tape Duplication

Connection Diagram

- 1 Connect the recording VCR (this VCR) and the playing VCR.
- 2 Connect the recording VCR (this VCR) to the TV.



Dubbing from any VHS VCR (or video camera) to another is simple.

Explanations on this page uses this VCR as the recording VCR.

Refer also to the manual supplied with the other VCR (for playback).

- You can also use the AUDIO/VIDEO input jacks on the front panel to connect another VCR or video camera.

1 At VCRs

Insert a source tape in the playing VCR and a blank tape in the recording VCR.

- If a tape without the record tab is inserted in the playing VCR, playback automatically starts. In this case, press the STOP button.

2 At TV

Turn the channel on the TV to your video channel.

3 Select Line Input

Press CH ▲ or ▼, pointing the remote control at this VCR, to select the external line input.

- For rear jacks, select “L-1” on the display.
- For front jacks, select “L-F” on the display.

4 Select Tape Speed

Press SPEED, pointing the remote control at this VCR, until the desired tape speed (SP, LP, SLP) appears on the display.

SP, LP : For PAL signal.

SP, SLP : For NTSC signal.

(For VR499/75 only)

5 Play Back Tape

Press the PLAY ► button on the playing VCR.

6 Record (Copy) Tape

Press REC/OTR ● on the recording VCR.

Remember: Press the buttons in steps 5 and 6 simultaneously to avoid missing any of the recording.

OPERATING OTHER MANUFACTURERS' TV

This section is for VR499/75 only.

You can use this remote control to operate your TV, not only PHILIPS TV but also other manufacturers' TVs listed below.

You first need to set the manufacturer's code.

Note:

Though this remote control can operate most of the PHILIPS TVs as well as many other manufacturers', some of the TVs will not operate or some functions available on the TVs will not work with this remote control.

1 Set Code

- 1 Press and hold TV.
- 2 Press two Number buttons for the manufacturer's code number of your TV, referring to the table to the right.
 - For example, for 02, press 0 then 2.
- 3 Press STOP ■, then release TV.
 - The remote control can now operate the TV of the selected code.

2 Confirm Setting

Press POWER, pointing the remote control at the TV.

If the TV turns on or off, your setting is completed.

If not, repeat steps above, using another code.

After replacing the batteries

You need to reset the manufacturer's code again.

Note:

The buttons you can use to operate your TV are explained on pages 4 – 5.

| TV Manufacturers' Codes | |
|-------------------------|----------------|
| PHILIPS | 01, 02, 03 |
| EMERSON | 14 |
| GOLDSTAR | 04 |
| GRUNDIG | 24, 25 |
| HITACHI | 12 |
| JVC | 05 |
| mitsubishi | 13, 26 |
| PANASONIC | 07, 17, 19, 20 |
| RCA | 10 |
| SAMSUNG | 18 |
| SANYO | 11 |
| SHARP | 16 |
| SONY | 09 |
| THOMSON | 21, 22, 23 |
| TOSHIBA | 08 |
| ZENITH | 06, 15 |

BEFORE REQUESTING SERVICE

Check the following points once again if you are having some difficulties with your VCR.

IMPORTANT

Periodic maintenance is required in order to maintain the VCR's continuous excellent performance. After a period of time the video heads will require replacement. If cleaning or replacement of the video heads is required, this service should be performed at an authorized video system service center.

Power

No power.

Correction

- Make sure the AC power cord is correctly connected to an AC outlet.
- Make sure the VCR is turned on.

Recording & Playback

TV programme cannot be recorded.

Correction

- Check the connections between the VCR, the antenna, and the TV.
- Make sure that the record tab on the back of the cassette is not removed. (☞P.12)

Timer recording cannot be performed.

- Set the timer on-time and timer off-time correctly.
- Make sure that the VCR is turned off after timer recording is programmed. (☞P.16, P.17)
- Timer recording may not be performed or stopped if a power interruption occurs before or during timer recording. If the power resumes within one minute, timer recording will also resume.

There is no playback picture, or the playback picture is noisy or contains streaks.

- Select your video channel correctly.
- Adjust the tracking slowly in either direction. (☞P.14)

During a still or slow motion picture, the picture may contain some vertical jitter when using a TV which has an automatic vertical hold control.

- Adjust the vertical hold control manually on the TV, if available.

If the top of your playback picture waves back and forth excessively.

- Because the VCR playback signal is not as stable as an off-the-air TV signal, the top of your TV screen may be bent or unstable during playback. To solve this problem, slowly turn the horizontal hold control on your TV to correct the wavy picture. If your TV does not have the horizontal hold control or adjusting the control does not help, contact your local TV service center.

Remote Control

The remote control cannot work.

Correction

- Aim the remote control directly at the remote sensor on the VCR.
- Avoid all obstacles which may interfere with the signal path.
- Inspect or replace the batteries. (☞P.5)
- Make sure the batteries are inserted correctly. (☞P.5)

Miscellaneous

A cassette cannot be inserted.

The cassette does not eject.

The cassette ejects when you press REC/OTR ●, or when you press POWER to set timer recording.

Correction

- Insert the cassette with the window side up and the record tab facing you.
- Check that a cassette tape is not already inserted. Press EJECT ▲.
- Make sure the AC power cord is correctly connected to an AC outlet.
- If the ⏸ (Timer) indicator is lit on the display, press POWER to cancel timer recording, then press EJECT ▲.
- Make sure the record tab on the back of the cassette is not removed. (≠P.12)

SPECIFICATIONS

General

| | |
|--|-------------------------------------|
| Mains voltage | AC 110V – 240V [∩] |
| Mains frequency | 50/60Hz |
| Power consumption | Approx. 18 watts |
| Ambient temperature | +5°C to +40°C |
| Relative humidity | 10% to 80% |
| Dimensions | Approx. 360(W) x 94(H) x 281(D) mm |
| Mass | Approx. 3.4kg |
| Position for use | Horizontal |
| Video output channel | UHF 36 (adjustable between 28 — 60) |
| Possible number of TV channel | 99 |
| Number of pre-programmable memory blocks | 8 |
| Number of days in advance | 365 or every day, or every week |

Tuner

| | |
|--------------|-----------------|
| Aerial input | B/G, D/K, I, K1 |
| VHF L: | 42 — 175 MHz |
| VHF H: | 175 — 470 MHz |
| UHF: | 470 — 870 MHz |

Video

| | |
|--------------------|---------------------------------------|
| Input (VIDEO IN) | 0.5 to 2.0 V _{p-p} , 75 ohms |
| Output (VIDEO OUT) | 1.0±0.2 V _{p-p} , 75 ohms |
| Resolution | Better than 230 lines |
| Signal/noise ratio | Better than 43 dB |

Audio

| | |
|--------------------|------------------------------------|
| Input (AUDIO IN) | -8 dBs, 50k ohms (0dBs=0.775 Vrms) |
| Output (AUDIO OUT) | -8 dBs, 1k ohms (0dBs=0.775 Vrms) |

Accessories supplied

Remote control unit
RF coaxial cable
Batteries – R6(SUM-3)/AA (only for checking operations)



Design and specifications are subject to change without notice.